

5-15-1986

Washington University Record, May 15, 1986

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Vol. 10 No. 34/May 15, 1986

Edward Wilson appointed dean of University College

Richard N. Rosett, Ph.D., dean of the Faculty of Arts and Sciences, has announced the appointment of Edward N. Wilson, Ph.D., as dean of University College, effective July 1, 1986. Robert C. Williams, Ph.D., who has served as dean of University College since 1981, has resigned from that position to become the dean of faculty and vice president for academic affairs at Davidson College in Davidson, N.C.

"Dean Wilson, who will continue to serve as dean of the Graduate School of Arts and Sciences, has worked closely with Dean Williams to establish programs for part-time graduate students," Rosett said. "He presently sits on the advisory boards of the part-time master's programs offered through University College — the Master of Liberal Arts and master's programs in Human Resources Management and International Affairs.

"As dean of the graduate school, he confers these degrees and plays a role in their administration. In addition, he supervises the day-time academic endeavors of students in the graduate school who teach in University College."

Wilson was named dean of the Graduate School of Arts and Sciences in 1983. He joined the faculty in 1973 as an assistant professor of mathematics and was promoted to associate professor in 1977.

He has served as acting chairman of the mathematics department, secretary of the Senate Council, chairman of the Education Search Committee, a member of the Faculty Council of Arts and Sciences and co-coach of WU's Putnam Math Team.

Wilson earned a bachelor's degree in 1963 from Cornell University, a master's in 1965 from Stanford University and a doctorate in 1971 from WU. His research interests are in the areas of differential geometry and harmonic analysis on Lie groups.



Edward N. Wilson



More than 2,000 chairs will line Brookings Quadrangle for Commencement ceremonies scheduled for 8:30 a.m. May 16. In case of rain, Commencement will be held at 10 a.m. at The Arena, 5700 Oakland Ave.

Rite of passage 2,100 to graduate at 125th Commencement

Some 2,106 students are degree candidates for WU's 125th Commencement ceremony on Friday, May 16. An approximate total of 984 graduate and 1,122 undergraduate degrees will be conferred at the exercises.

Candidates for doctoral level degrees number 93 for the doctor of philosophy degree in the Graduate School of Arts and Sciences; 113 for the doctor of medicine degree; 12 for the doctor of science degree in engineering; 73 for the doctor of dental medicine degree; and 183 for the doctor of law degree.

Also invited to participate in the ceremonies are graduates who received degrees in August and December 1985 and alumni from the Class of 1936, who will march in the procession.

The academic procession will start at 8:30 a.m. in Brookings Quadrangle. In case of rain, the ceremony will begin at 10 a.m. at The Arena, 5700 Oakland Ave.

Richard Coles, director of WU's Tyson Research Center, will serve as grand marshal at the ceremonies. Florence E. Moog, Charles Rebstock

Professor Emeritus of Biology, will be the honorary grand marshal. Student marshals representing each school will accept symbolic diploma

covers and hoods for their classes. Chancellor William H. Danforth will confer eight honorary degrees.

Continued on p. 3

Hexter, Davis to direct center tracing history of freedom

J. H. Hexter, Ph.D., Distinguished Historian in Residence at WU and noted authority on British history, has been named the John M. Olin Professor in the History of Freedom at the University. In that position, he will direct the new Center for the History of Freedom — believed to be the first of its kind.

Funding for the center has been provided by the John M. Olin Foundation, according to Chancellor William H. Danforth. The grant totals \$289,000 over four years. The gift is part of the ALLIANCE FOR WASHINGTON UNIVERSITY, a campaign to raise \$300 million.

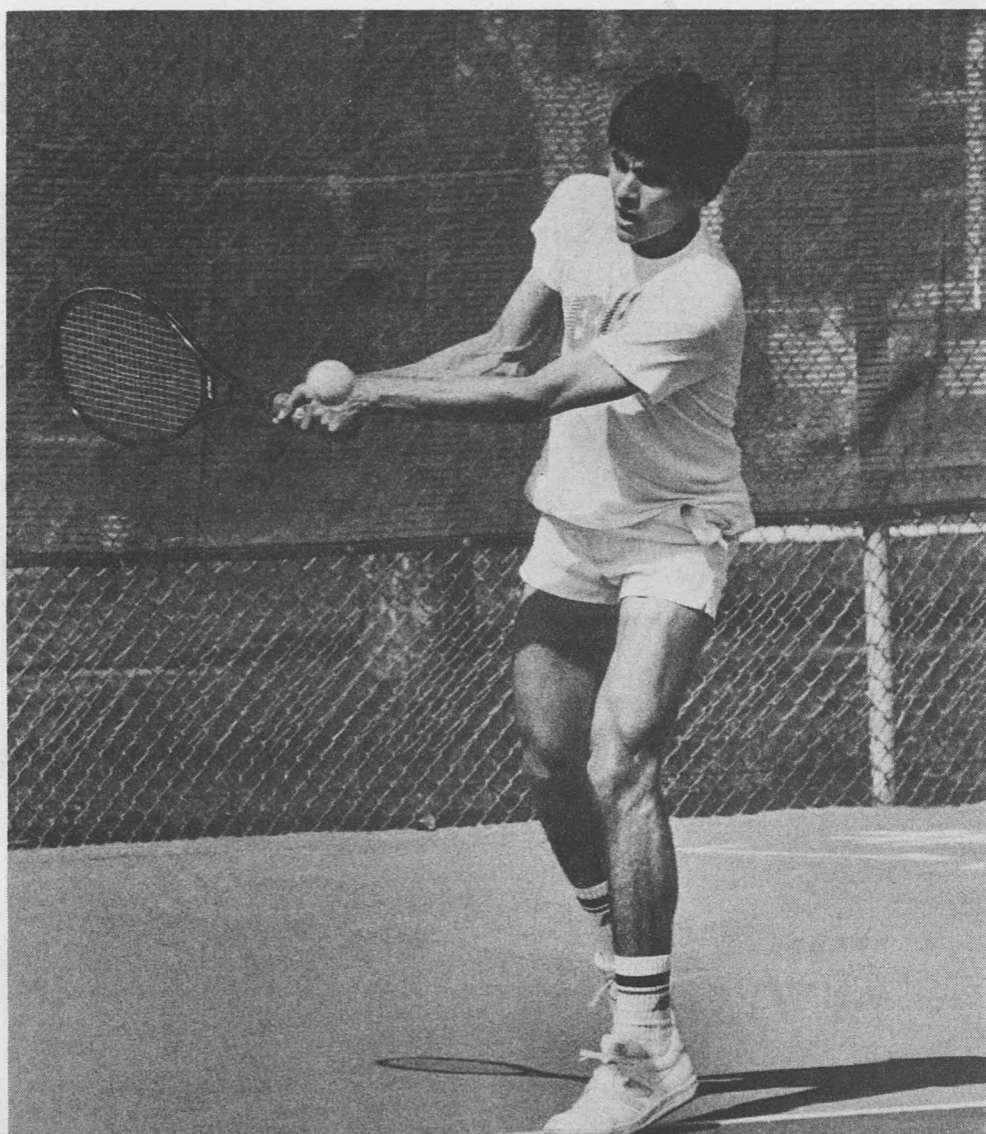
Associate director of the center

is Richard W. Davis, Ph.D., WU professor of history. The campus planning committee for the center included: Hexter; Davis; Lubosh G. Hale, associate dean of the Faculty of Arts and Sciences; Douglass C. North, Ph.D., Henry R. Luce Professor of Law and Liberty; and Richard J. Walter, Ph.D., professor and chairman of the history department.

The goal of the center is to produce a multi-volume history of modern freedom, the first study of this scope. The project, expected to take 25 years, will trace the growth of freedom.

"Historians have written exten-

Continued on p. 3



Two-time All American Tim Spengler, a senior, will compete in the national championship for the third year in a row.

Tennis team vies for national championship

On Monday, the WU men's tennis team began its quest to bring home their first national championship. After posting a 19-3 regular-season record, the Bears were selected to play in the 11th NCAA Division III National Championships at the Claremont-Mudd-Scripps Colleges in Claremont, Calif.

The Bears have joined seven other Division III institutions, including 1985 champion Swarthmore College, for the rights to battle for this year's crown. Other participating schools are Kalamazoo College, the nation's top-ranked team according to the Intercollegiate Tennis Coaches Association (ITCA) poll; Whitman College, Wash.; Washington & Lee University, Va.; Washington College, Md.; Emory University, Ga.; and Gustavus Adolphus College, Minn.

Of the Bears' three losses this season, two were to national qualifiers Emory, 6-3, and Gustavus Adolphus, 7-2.

The national team championships began with an elimination tournament Monday, May 12, and concluded Wednesday, May 14. The Division III individual singles and doubles championships begin Thursday, May 15, and finish Sunday, May 18. (The Washington University Record was printed prior to the start of the national championships.)

WU fielded its regular season squad for the team championships, playing the elimination tournament like a regulation dual match (six singles and three doubles). The Bears' top four singles players and top two doubles teams automatically qualify for the individual championships.

The Bears are paced by two-time All-American Tim Spengler, a senior from Greens Farms, Conn., and Duncan Seay, a sophomore from La Jolla, Calif. Both players have seen action at the number one singles spot, although Seay is playing the top slot in this week's national finals.

Ranked fifth in the latest ITCA singles rankings, Seay has compiled a 19-2 singles record, losing only to two Division I opponents. Spengler, who has qualified for the 1984 and 1985 individual championships, is 12-6 this season and ranked 27th in the nation.

Other players who will help WU try to claim a national title are: Joe Chamdani of Jakarta, Indonesia, 15-5; Jim Helstrom of Andover, N.J., 16-4; Ted Meyer of Millstadt, Ill., 19-2; and Charles Shipman of University City, Mo., 14-6.

The doubles' competition will consist of the nation's 16th-ranked team of Meyer and Chamdani, 11-5; Spengler and Seay, 10-4; and the Bears' new number three team of Helstrom and Larry Marks of Cleveland, Ohio, 1-0.

"Qualifying for the national championships has been a team goal for two seasons," said head coach Steve Gilbert. "Last year Duncan (Seay) was injured for a major part of the season, which hurt our depth situation. This year we stayed away from the injury problems, utilized our experience and won some important divisional matches. We'll be the underdog at the tournament, but we feel we have as good a chance as any to win this year's title."

New business school library named for Al, Ruth Kopolow

The new library at the School of Business has been named for Albert P. Kopolow and his wife, Ruth, according to Chancellor William H. Danforth.

Kopolow, a 1927 graduate of the business school, provided the funds for the library as a part of the ALLIANCE FOR WASHINGTON UNIVERSITY, a \$300 million fund-raising campaign announced in 1983. The Kopolow Library is located in Simon Hall, the new home of the business school.

Kopolow is president and secretary of Al Kopolow Investments, a partner in Lourose Realty Co. and director of the Mars Oil Co. Previous business affiliations include Modern Textile Co., Farb Investment Co. and Marine Petroleum Co.

The Kopolows have been associated with a number of philan-

thropic activities in St. Louis and have provided assistance to immigrants who have settled in the St. Louis area. This has included finding homes and jobs, as well as assisting with the English language.

Chancellor Danforth said, "The new library is a wonderful addition and speaks to Al Kopolow's generosity and concern for quality business education."

Robert L. Virgil, D.B.A., dean of the business school, said the new library will be a significant factor in the academic program. "For this, and all of his previous kindness, everyone at the business school is extremely grateful," he said.

Kopolow is a member of the University's Eliot Society, the Business School's Capital Gifts Committee and the Alumni Board of Governors.

Sverdrup endows scholarship

A major gift has been contributed to the Department of Romance Languages and Literatures, establishing an endowment for the Johan Egilsrud Scholarship, according to James F. Jones Jr., Ph.D., professor and chairman of the department.

This scholarship will be awarded annually to a promising undergraduate or graduate in memory of Egilsrud. It has been provided by Egilsrud's sister, Mrs. Molly Egilsrud Sverdrup of St. Louis.

The gift is a part of the ALLIANCE FOR WASHINGTON UNIVERSITY, a \$300 million fund-raising campaign announced in 1983.

Johan Egilsrud, a doctoral graduate of the Sorbonne, was the author of five books of poems, a talented musician, literary critic and painter. He specialized in comparative literature at the Sorbonne after receiving both his bachelor's and master's degrees in music and literature at the University of Minnesota. After a long and distinguished career as a

writer and a college professor of French, Egilsrud died in 1968 in New York City.

Jones first came to know Egilsrud's studies on the "Dialogue des morts" theme in European literature when studying at the Sorbonne in 1972. When Jones moved to St. Louis in 1975, he became personally acquainted with Mrs. Sverdrup and her son Johan. Their friendship grew because of Jones' initial interest in the scholarly work of Egilsrud.

According to Jones, "News of the generous endowment was the culmination of a wide variety of chance encounters from the day I first read Egilsrud's thesis at the Sorbonne to meeting and becoming close friends with Egilsrud's sister and brother. This is a most fitting gift, one which honors a remarkable individual and a brilliantly talented man by singling out each year a young student who is studying the very scholarly interests to which Egilsrud devoted his life," he said.

Philosophy major among 123 Mellon fellows in nation

Lisa J. Downing, a senior in the College of Arts and Sciences, has been named a Mellon Fellow in the Humanities. She will do graduate study in philosophy at Princeton University, starting next fall.

She has been recommended to graduate summa cum laude with a bachelor of arts degree in May. Her adviser, Lucian Krukowski, Ph.D., professor of philosophy, said, "The twin triumphs of graduating summa cum laude and receiving a Mellon Fellowship make her one of our most successful graduating seniors and one of the all-time best philosophy majors."

Downing is among 123 Mellon Fellows named throughout the nation. The fellowships, established by the Andrew W. Mellon Foundation, are designed to attract outstanding students to teaching careers.

RECORD

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Washington University Record (USPS 600-430; ISSN 0745-2136), Volume 10, Number 34, May 15, 1986. Published weekly during the school year, except school holidays, monthly in June, July and August, at the Office of News and Information, Campus Box 1070, Washington University, St. Louis, Mo. 63130. Second-class postage paid at St. Louis, Mo.

News items for the medical record section are published once a month and may be sent to Medical Campus, Box 8065.

Address changes and corrections:

Postmaster and non-employees: Send to: WU Record, Campus Box 1070, Washington University, St. Louis, Mo. 63130.

Hilltop Campus Employees: Send to: Personnel Office, Campus Box 1184, Washington University, St. Louis, Mo. 63130.

Medical Campus Employees: Send to: Personnel Office, Campus Box 8091, 4550 McKinley Ave., Washington University, St. Louis, Mo. 63110.

Four department chairmen named

Richard N. Rosett, Ph.D., dean of the Faculty of Arts and Sciences, has announced new chairmen for the departments of Music, Philosophy, Political Science and Russian.

Jeffrey G. Kurtzman, Ph.D., professor of music and co-director of student advising at Rice University in Houston, Texas, will become chairman of the music department on July 1. Lucian Krukowski, Ph.D., professor of philosophy and former dean of the WU School of Fine Arts, has been named philosophy department chairman, effective July 1. Robert H. Salisbury, Ph.D., Sidney W. Souers Professor of American Government and professor of political science, will become chairman of the political science department on Jan. 1, 1987, and Milica Banjanin, Ph.D., WU associate professor of Russian, has been appointed chairman of the Russian department, effective July 1.

Salisbury previously was political science chairman from 1966-73. Banjanin served as acting chairman of the Russian department in spring 1975 while Edgar H. Lehrman, Ph.D., professor and chairman, was on leave. She was appointed acting chairman again in spring 1986 when Lehrman, chairman for 19 years, became ill.

Kurtzman has held teaching and administrative positions at Rice and Middlebury College in Vermont. He has a master's and doctorate in musicology from the University of Illinois and has studied with Rosina Lhevinne at the Aspen Music School. Rosett said Kurtzman's appointment culminates a two-year search. "He is an outstanding musicologist and also a person of demonstrated administrative skill," said Rosett. In 1979-80, Kurtzman held a Guggenheim Fellowship.

Krukowski came to the University in 1969 as dean of the School of Fine Arts, a position he held until 1977. He was an adjunct professor in the philosophy department and was named professor in 1985. Before his arrival at WU, he was professor and chairman of the Department of Foundation Art at Pratt Institute in Brooklyn, N.Y. A well-known painter, he has a master's in science from Pratt Institute and a doctorate in philosophy from WU.

"Krukowski recently joined the philosophy department and quickly established himself as an important scholar," Rosett said. "As former

dean of fine arts, he also brings to the department considerable managerial experience."

Salisbury, who has been at WU since 1955, was named Sidney W. Souers Professor of American Government in 1982. He was director of the Center for the Study of Public Affairs from 1974-76 and has lectured at numerous schools across the United States and throughout the world. A former president of the Missouri and Midwest political science associations, Salisbury has a master's and doctorate in political science from the University of Illinois.

Rosett noted that as former chairman, Salisbury "helped lead the department to its exemplary standing. We're fortunate to have Salisbury accept this important responsibility." He said Salisbury has agreed to serve as chairman for four years.

Banjanin came to the University in 1964 and was named associate professor in 1976. She has conducted extensive research in the Soviet Union and has received the International Research and Exchanges Board (IREX) award and a Fulbright-Hays Faculty Research Abroad stipend. The former member of the Faculty Council has a master's in Russian from Columbia University and a doctorate in comparative literature from WU.

"As acting chairman, Banjanin exhibited superior skills in operating the department," Rosett said. "She also is a fine scholar."



Milica Banjanin



Lucian Krukowski



Jeffrey G. Kurtzman



Robert H. Salisbury

First squash tourney boosts sport

The Oliver M. Langenberg Cup, WU's first squash tournament, was held recently at the Athletic Complex with 35 students, faculty and staff participating in the event. A sport that remains relatively unknown to Midwesterners, squash has received a boost from WU supporter Oliver M. Langenberg.

"The athletic department, along with the squash tournament participants, are grateful for Mr. Langenberg's support," said Joe Worlund, director of intramurals. "Everyone who competed in the cup was pleased to see something could be accomplished to enhance and promote the sport of squash."

Squash combines similar elements of both tennis and handball and is played in a four-walled court with a long-handled racket and a rubber ball.

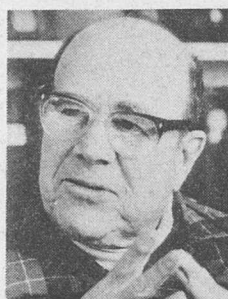
The three winners in this year's Langenberg cup were: Omer Ahmed, a junior in the College of Arts and Sciences, champion of the men's undergraduate division; Jetty Temeszy-Von-Becker, a senior in Arts and Sciences, champion of the combined women's undergraduate and open division; and Kaius Helenurm, a graduate student in the Department of Biology, champion of the men's open division.

Freedom center—continued from p. 1

sively about three of the four phenomena of the modern world — technology and industrialization, expansion of Western civilization, and modern science," Hexter said. "But no serious attempt has ever been made to record the history of the fourth uniquely Western process, the making of modern freedom."

"Jack Hexter is truly rare among scholars," Davis said. "Instead of retiring at age 65, he embarked on a series of major research efforts upon his return to Washington University and now is launching what will certainly be the most important study of freedom ever undertaken."

Hexter has initiated a series of annual conferences on the subject.



J. H. Hexter

The first conference, in October 1985, was held to establish the modern understandings of freedom. The second conference, in October 1986, will begin to investigate the history of freedom. The topic is "The First Crisis of Modern Freedom: England from Elizabeth I to the Great Rebellion."

Participants in each conference will discuss submitted papers. The papers will be reviewed by experts in a semester-long Institute for the History of Freedom at WU, sponsored by the center. The collected papers from that year's efforts will be shaped into the first volume in the series.

Hexter will be responsible for the editorial planning and administrative tasks of the project, especially the annual selection of conference participants and Fellows of the Institute for the History of Freedom.

At Yale University, Hexter was Charles Stille Professor from 1967 until his retirement in 1978. He then returned to WU, where he had served as professor of history from 1957 to 1964, including four years as chairman of the department.

He is author or editor of 11 books, including his first, *The Reign*

of King Pym, 1941, which helped establish his reputation as a distinguished historian, and his most recent, *On Historians*, 1979. He has served on the editorial boards of the Journal of the History of Ideas, the Journal of British Studies, the Journal of Modern History, and Parliamentary History.

He was a Guggenheim Fellow three times, a Mellon Senior Fellow in the National Humanities Center for three years, and currently is a fellow of the American Academy of Arts and Sciences and the Royal Historical Society, and a member of the American Philosophical Society. He also holds five honorary degrees.

Hexter earned his bachelor's degree in 1931 from the University of Cincinnati and his master's and doctoral degrees in history in 1933 and 1937, respectively, from Harvard University.

Richard W. Davis joined the faculty of WU in 1969 and served as chairman of the department from 1974 to 1977. He was distinguished visiting professor at Christ's College, the University of Cambridge, England, during 1981-82. He has written five books, most recently *The English Rothschilds*, 1983, and is chairman of the American Editorial Committee of Parliamentary History and president of the Southern Conference on British Studies.

A Fellow of the Royal Historical Society, he also has held a Guggenheim Fellowship and two National Endowment for the Humanities fellowships.

He earned his bachelor's degree in 1957 from Amherst College and his master's and doctoral degrees in 1958 and 1964 from Columbia University. He earned the degree of master of letters from the University of Cambridge in 1962. All four degrees are in history.



Richard W. Davis

Commencement—continued from p. 1

The Commencement speaker, Sen. Paul Simon, D-Ill., will receive an honorary doctor of laws degree.

The seven other candidates and their honorary degrees are: Paul Berg, a former WU microbiologist who won the Nobel Prize in chemistry in 1980 for his DNA research, doctor of science; Helen Manley, a native St. Louisan and national pioneer in the field of sex education, doctor of humanities; Ralph E. Morrow, who is retiring as provost after a 31-year career at WU, doctor of humanities;

Klaus Piper, president of the Reinhard Piper Publishing Co. in West Germany, doctor of letters; Alvin F. Poussaint, psychiatrist, educator, author, civil rights advocate and script consultant for "The Cosby Show," doctor of laws; Jarvis Thurston, author, editor and WU professor emeritus of English, doctor of humane letters; and Paul A. Volcker, chairman of the Board of Governors of the Federal Reserve

System, doctor of laws degree.

Leslie Ann Peters, who will graduate Friday with a bachelor of arts degree, will deliver the student Commencement address.

The Mighty Mississippi Concert Band will perform under the direction of Dan Presgrave, director of bands in the Department of Music. Howard Arlan Shalowitz will sing the National Anthem and the Alma Mater and Diane LaVerne White, who will receive a bachelor of arts degree on Friday, will sing during the musical interlude.

Following the Commencement exercises, the deans of the various divisions will hold a series of receptions where diplomas will be individually distributed. Brunch will be available for members of the graduating class, their families and friends. (See the Commencement calendar on page 4 for reception locations.)

Gallery of graduates

Commencement is a rite of passage for students who once walked the cobblestone paths of WU. Graduation is not only a tribute to them, but a tribute to the efforts of all those associated with the University. The students work diligently to earn a degree and an academic record symbolizing their talents and accomplishments. The faculty also works diligently to create a course of study that is interesting, as well as educational. About 2,106 students will graduate on Friday. Each has his or her own special story to tell. The following are six students and their experiences.



Walt Schalick — a mixed bag of tricks.

Magician, fencer, future pediatrician

Presto! Walt Schalick is a professional magician and fencer. Presto! He will receive his bachelor's degree this week in English literature (magna cum laude) and physics. Presto! He's a Phi Beta Kappa and one of the select group of students in SPIM, WU's Scholars Program in Medicine. Presto! He plans to be a pediatrician.

Walt Schalick is a mixed bag of tricks!

He traces most of his current interests to his years at Roger Ludlowe High School in Fairfield, Conn. However, his interest in author J. R. R. Tolkien stems from "an enthusiastic eighth grade English teacher who gave us a list of books and said, 'Read anything you want from this list.' I read *The Hobbit* and just went bananas. That was it!" Which led to his fascination with Old English literature. "I found out Tolkien was a professor of Old English."

Schalick contacted the English department at Yale University and began studying Old English with two graduate students. He continued those studies at WU with Steven Justice, Ph.D., assistant professor of English, and, in fall 1985, spent a semester at Cornell University studying Old Norse and Middle Welsh. "You have to learn the language to study the literature," he explained. He was a Rhodes Scholarship finalist, hoping to study Old English at Oxford.

Like all SPIM students, he applied to the program in high school. "It's like medical school admissions," he said. "They try to be as rigorous as possible." Because of the program's flexibility, he found it easy to combine majors in English and physics. "The program allows you to use the University as it was meant to be used. You can be trained as a learner — a self-initiated learner, but you also can grow personally as much as you want." SPIM students are guaranteed admission to WU's medical school as long as they maintain a B-average.

Schalick received his first magic kit when he was in the sixth grade and presented his first magic show as a freshman in high school. "I levitated Grover (a Sesame Street character hand puppet) during an Easter program at my church. I pressed my brother into service as my assistant."

Later he began charging admission to his act and still earns extra money every summer at home by performing at several birthday parties a month, in addition to another summer job.

Since moving to St. Louis, he has worked with magician David Copperfield's "Project Magic," a group that performs for hospitalized children. He described a recent experience while performing at Shriner's Hospital and noted that sick children re-

spond to magic like healthy children. "Children are so much more resilient than adults," he said. "They adapt to a new situation like wildfire."

Which leads to pediatrics. He can envision himself as a doctor using a magic trick to divert a young patient's attention. He also might draw from his Old English studies to tell the children stories.

He was co-captain of his fencing team in high school, lettering in fencing, and was captain and coach of WU's club/team as a sophomore and junior.

While juggling all these interests, Schalick maintains a philosophical outlook. "The English side of me watches the physics side and the physics side watches the humanities side," he said. "But actually, the two disciplines are very much alike. Whether you're doing a physics project or writing poetry, you have to describe the world in a precise way. Even though they appear to be so different, they are only separated by language."

Crew club founder

Daryl K. Daniels rises at 6 a.m. Monday through Saturday and lifts weights, jogs or takes a swim, all for the sake of rowing a boat.

Daniels is one of three "founding fathers" of the WU Crew Club, whose 34 members are dedicated to rowing. The other founders are freshmen James A. Maier, of Lafayette, La., and Michael I. Haber, of Manhattan, N.Y. Daniels, who will receive his bachelor's degree Friday after attending WU for three years, says club members work out because rowers must be in good shape to race.

For those unfamiliar with rowing, it is the sport of racing long, narrow shells propelled by oars. Shells are extremely lightweight boats designed exclusively for racing. A shell for a crew of eight, for example, may be up to 60 feet long but no more than 2 feet wide. Shells are made of wood, fiberglass or carbon fiber.

The WU Crew Club organized in September after Kevin M. Slater, associate dean of student affairs, and Tom J. Peckham, president of the Student Union, observed two University students sporting WU crew club T-shirts as a joke. Slater and Peckham decided to explore the idea of actually establishing a club at WU and later approached Daniels on the subject.

Although he had not raced before the club began, Daniels has been interested in the sport for a long time. He is from West Newton, Mass., near Boston, and often

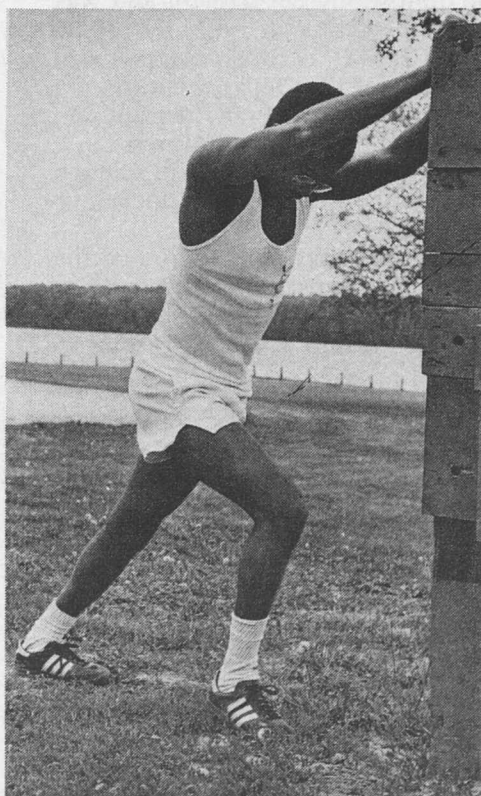
watches teams from Harvard, Yale and Brown universities race during the summer. The sport is very popular on the East Coast. "Rowing is something I've always wanted to do, but never had the opportunity," says Daniels, a biology major who hopes to attend medical school at Harvard University. "I jumped at the chance to get involved in a club at WU."

Crew club members participated in their first unofficial race May 1 with the St. Louis Rowing Club. Members of the St. Louis club are coaching the WU team and have lent the University group a boat for racing.

"We're buying a 45-foot boat from Colgate University in Hamilton, N.Y., and hope to obtain it by mid-summer," notes Daniels, a member of Sigma Alpha Mu fraternity. "We're planning some fund-raising events in the future. We want to be a traveling team. There aren't any divisions in rowing, so the crew can race anyone. By October, we hope to race Harvard."

Because Daniels is graduating, he has helped team members cultivate leadership qualities to aid the group's success. Most of the club members are freshmen. "Because I've been around longer, I've attempted to show them the importance of patience, dedication and tenacity," he says. "They are a great bunch. I have no doubt that they will do an excellent job."

Patience, dedication and tenacity are not unfamiliar words to Daniels. Patience helped him learn how to wrestle and compete in intramural matches. His dedication and persistence were two reasons he recently was honored by the Association of Black Students (ABS) at WU for his involvement with the ABS Political Affairs Committee. And his unwillingness to give up will be an asset this summer when he travels to Africa along with several other WU students to take part in Operation Crossroads Africa, a program whereby students and professionals live and work with Africans on various self-help community development projects.



Daryl Daniels works out six days a week to keep in shape for rowing.



"I've learned to try and give positive comments on every dive," says coach Mary Lincer.

Diving into law

WU's swim team struck gold when Mary Lincer enrolled in law school. Lincer was a member of the diving team at Princeton University during her undergraduate years. She coached WU's divers for two years.

"When I first started coaching here," says Lincer, "I was a little scared. I had coached younger kids — ages 4 to 16 — but never college students. Coaching has been a lot of fun, though. My divers and I have a great working relationship — on the one hand we're friends, and on the other hand, they respect my experience."

Lincer's diving experience dates back to junior high school in East Grand Rapids, Mich. Throughout her high school years she captured three high school conference titles, two Amateur Athletic Union titles, and received All-American status her junior year. During summers, Lincer went to diving camp at Indiana University.

When she entered WU's law school in August 1983, her years of diving appeared to be behind her. The strict demands of studying law forced her to stay away from the pool during her first year. But Lincer found that she missed diving and began coaching for WU swim coach Martha Tillman. "Teaching college divers is a challenge because they already know the mechanics of diving — they already have the basic skills," Lincer says. "My job is to help them

improve those skills and to break them of bad habits.

"It is much easier to coach little kids. They have no fears. You ask them to do something and they do it. I guess it's because they'll do anything for someone in authority.

"With young children you always have to say 'that was great, that was better.' College divers don't always need that. Even though they don't need constant encouragement, I've learned to try and give positive comments on every dive. If a coach only says what's wrong, then a diver loses motivation."

Coaching for WU helped Lincer restore her own motivation to dive. She resumed practicing diving with the support of her students and discovered that diving gave her a necessary relief from studying law.

Lincer isn't likely to have too many breaks from law in the future. After graduation she will return to Grand Rapids to work in the law firm of Cholette, Perkins & Buchanan, which specializes in medical malpractice and insurance defense cases. "I'm excited about my job," she says. "It's an excellent firm and Grand Rapids is a great town."

Lincer's new job may put coaching on the back burner for awhile, but "I'll always be involved with diving," she says.

Like grandfather, like grandson

Jane Cross will attend WU's Commencement this year as a proud mother and daughter. Her 22-year-old son, Andrew Cross, is graduating with a bachelor of fine arts degree; her 73-year-old father, Eugene Powers, is receiving his master of liberal arts.

Powers, a retired corporate lawyer, became interested in the MLA program through another family connection. Daughter Sue's husband, Jack Clancy, a company president at McDonnell Douglas Corp., was enrolled in the program and talked his father-in-law into signing up in 1980. Powers has completed his MLA ahead of his son-in-law because Clancy, in the meantime, earned his master's of business administration at WU.

Powers, a native New Yorker, earned his bachelor's and master's of law degrees in the 1930s at St. John's University, Jamaica, N.Y. He began practicing law in 1936 and advanced to senior partner of a Wall Street law firm. By 1946, he was president of a shipyard on the Hudson River in New Jersey and a furniture plant in Connecticut. In 1951, he moved to southern Illinois as chief executive officer of a diversified electronic components and chemical company.

Technically, he retired in 1977. But he currently serves on the board of directors of two high-tech components manufacturers, operates a training facility for standard bred racing horses near his summer home in Mt. Carmel, Ill., and runs a small cattle farm in southern Indiana. His second home is in a high-rise on Skinker Boulevard, overlooking Forest Park. Powers and his wife of 51 years, Eleanor, have four married daughters and 13 grandchildren who all live in

St. Louis.

The MLA program has forced Powers to expand his reading interests. "In the past, all of my academic work and reading has been oriented toward making a living and promoting a professional career," he said. "This was a chance to do something without pressure, something related to culture and the humanities.

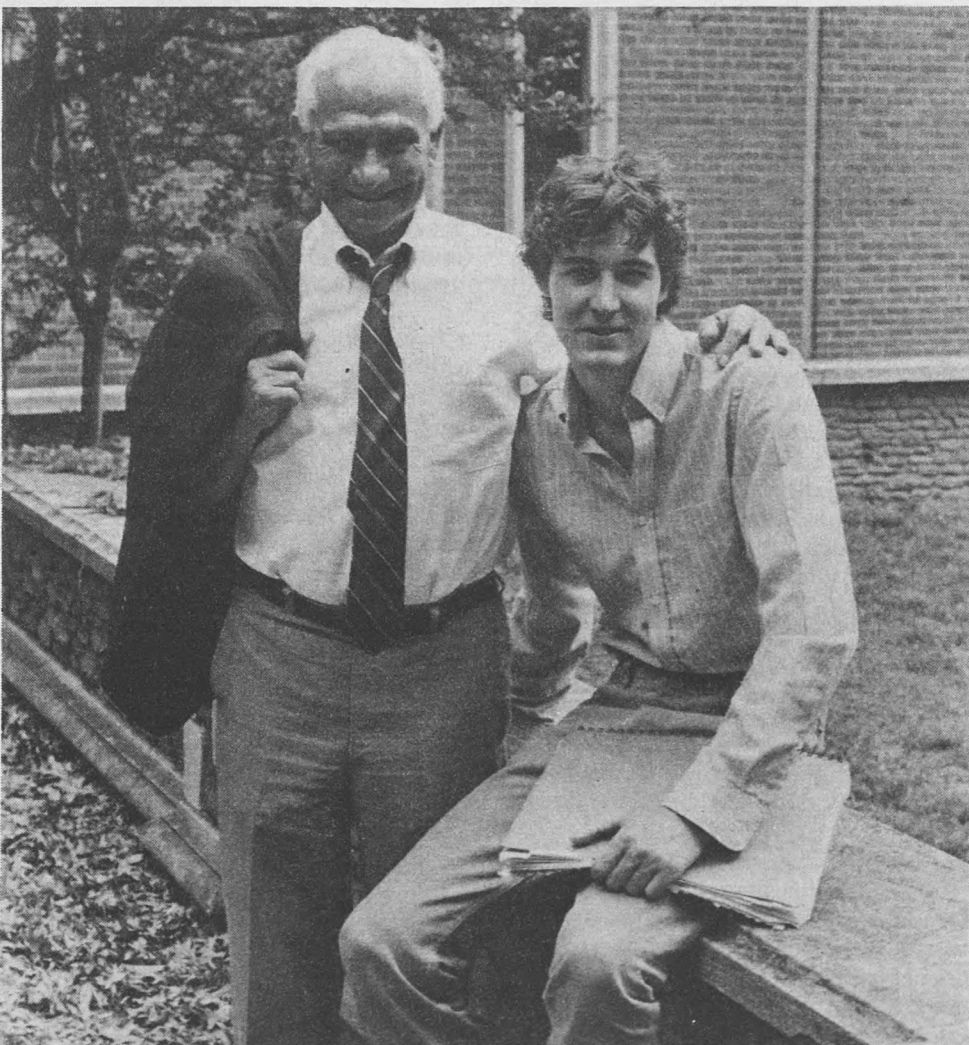
"It has changed my reading habits quite a bit. A practicing attorney and corporate executive usually does not read the classics!"

Cross appears to be following in his grandfather's entrepreneurial footsteps. He has designed and marketed his own WU sweatshirt, with an illustration of the front view of Brookings Hall. "As an illustrator, I have studied the artwork on shirts," he said. "I knew I could do a good design for a shirt, and I wanted the experience of selling my artwork. I priced my shirts at a \$4-per-shirt profit — my goal was to beat work study wages."

Cross also was president of the Fine Arts Council, designed the spring 1986 quarterly calendar for the student activities office, worked for three summers as a set painter at The Muny and interned with the Spinnaker Design Co. He probably is best known on campus for the two murals he painted in The Gargoyle.

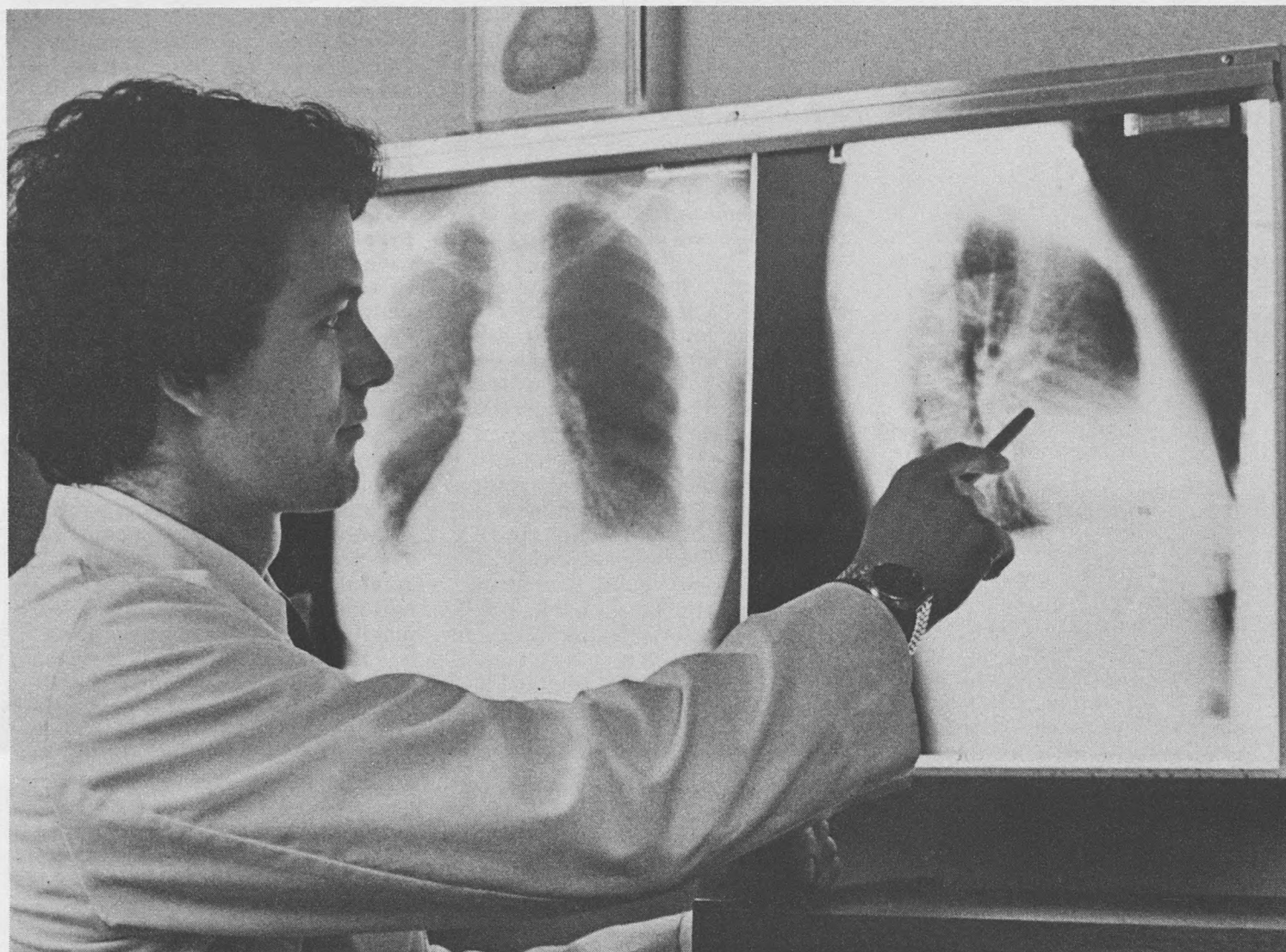
He wants to find a job in advertising or book illustration, but will continue to free-lance his work after graduation.

Exhibiting the same tenacity that made his grandfather successful, Cross said, "When I was 6, I overheard two Cub Scout leaders saying that after age 7 kids stopped developing their artistic talents. I was not going to let that happen!"



Eugene Powers and his grandson Andrew Cross both will be wearing caps and gowns on Commencement day.

Gallery of graduates



Harris Chrysikopoulos, who was elected to the prestigious medical honor society, Alpha Omega Alpha, will be the student marshal for his class.

Greek windsurfer misses sport, but excels in med school

Harris Chrysikopoulos' only complaint about St. Louis is that you can't windsurf on the Mississippi.

Other than that, it's been smooth sailing for Chrysikopoulos ever since he came to WU from the Greek island of Corfu seven years ago. Not only did his academic excellence enable him to complete his undergraduate degree in biology in three years, it also earned him election to the prestigious medical honor society, Alpha Omega Alpha (AOA), which has the reputation of being the key that unlocks the door to good residencies.

"That's probably true," says Chrysikopoulos, "because I'll complete a medical internship at the University of California/Los Angeles and then finish my residence in radiology at the University of California/San Diego."

Prime windsurfing territory. Besides his favorite sport of windsurfing, Chrysikopoulos unwinds by waterskiing and playing soccer and volleyball. Although he has not had much time for sports lately, he has won the respect of his peers and teachers.

"During his four years at the medical school, Harris has earned the reputation of not only being a top student, but an outgoing friend," said John Herweg, M.D., associate dean of the School of Medicine.

Chrysikopoulos has been selected to serve as the student marshal and will march at the head of his class during graduation ceremonies.

The son of a Greek physician, Chrysikopoulos decided in high school to be a doctor. But he wanted to leave the tiny island of Corfu to pursue his education. "I was ambitious and wanted to travel," he said. "Friends of mine had attended Washington University and highly recommended it; I chose it for both my undergraduate years and medical

school. My younger brother is now enrolled in the University's MBA program."

After completing his residencies, Chrysikopoulos wants to return to Greece. Although his father practices general surgery in Corfu, Chrysikopoulos plans to practice in the larger city of Athens. "Radiology is such a rapidly growing field and the technology in Corfu is not as advanced as it is in Athens," he said. "I think my opportunities to practice medicine will be better there."

Dancing triumphs over computing

Three years ago, when Angela Culbertson decided to take her first dance class, she was an "unhappy" engineering student in the computer sciences. "I felt stifled," recalled Culbertson. "I spent all my time in a cramped room with computers. I didn't really have a dancer's body at that time; I was overweight and unhealthy."

Three years later and 20 pounds lighter, Culbertson is graduating as a dance major with honors and also is on the dean's list. This month she will travel to Washington, D.C., to participate in the National College Dance Festival, where she will perform her own choreographed piece,

"Educating Edge." The piece, to be performed in the dance festival's gala concert, was one of nine selected from 250 choreographies nationwide.

At the Midwest Regional College Dance Festival, in Iowa City, Iowa, Culbertson was one of three nominated (out of 41 performer/choreographers) to go to the national festival. She also was nominated for scholarships for best choreographer and best dancer, a special award from Dancemagazine.

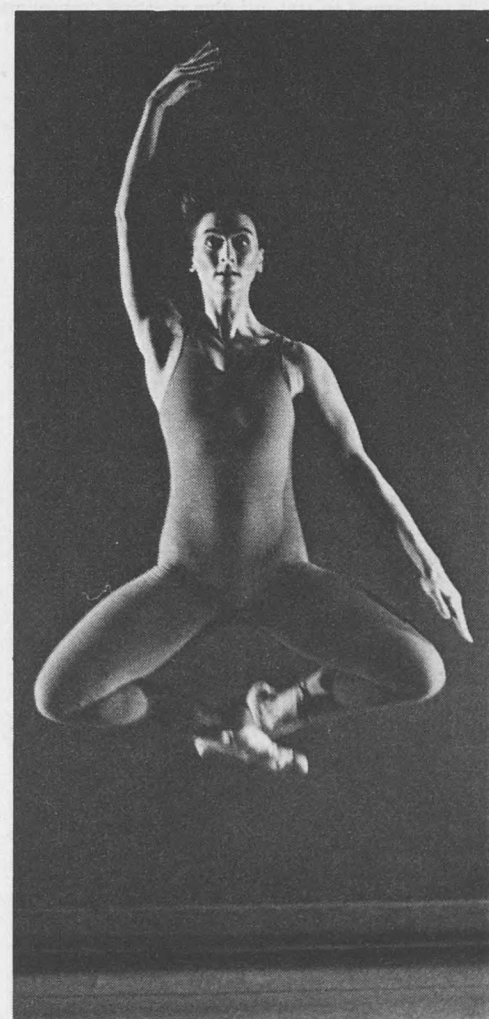
Although her success in dance has come quickly, it has not come easily. Culbertson works out 14 to 15 hours a day, creating her own compositions and rehearsing for the

two local companies she performs with, the Saint Louis Dancers and In Motion Dance Company. In addition to her studies, Culbertson supports herself by giving private stretch and movement training to non-dancers.

According to her teacher and mentor, dance professor Annelise Mertz, Culbertson showed promise from the beginning. "I noticed she was especially alert and disciplined in applying criticism," Mertz said. "I found her to be talented, and when she told me what she was studying, I said she should be a dance major." Culbertson received encouragement and instruction from many of the dance faculty members. She has studied composition under Michael Ballard, an artist-in-residence at the University who has performed with the Murray Louis Dance Company of New York. "I have been very lucky to work with such professional dancers as we have here," Culbertson remarked.

She said her "point of no return" into the dance world resulted from a class assignment to review a professional performance at Edison Theatre. "The first company I saw perform was the Jose Limon Dance Company, and sitting there in that concert I remember feeling strongly that I wanted to dance and perform," she said. The company that Culbertson refers to has just awarded her a full scholarship. This summer she will study with the Limon dance troupe in New York.

As for changing majors, Culbertson said she doesn't regret the decision. "There may be some job insecurity in the dance field, but that's why I have to be good. I enjoy what I'm doing and that's important," she said. "You cannot separate your mind, body and spirit. They are all connected."



Angela Culbertson has gone from an "unhappy" engineering student to an accomplished dancer.

Yellow brick road to Oz like path to a degree, says senior

WU graduates can learn a lot from Dorothy and the rest of the gang featured in the movie "The Wizard of Oz."

So says graduating senior Leslie A. Peters, who will deliver the student speech at Commencement May 16. Her speech, inspired by the Oz characters, is titled "Another Yellow Brick Road."

"In the movie, Dorothy, the tin man, the scarecrow and the cowardly lion travel down the yellow brick road to Oz, hoping the wizard will give them what they need," explains Peters, an English major in the College of Arts and Sciences. "But instead they discover their



Leslie A. Peters

strengths within themselves. The wizard doesn't give them anything except reassurance that they have the ability to fulfill their own dreams.

"The class of 1986 has made a similar journey," Peters says. "While trekking down the path to a college degree, we began to recognize our own potential. We all have the capacity to learn, to care for ourselves and others and to believe in ourselves, and we all have our homes and Washington University as a foundation."

Peters wrote her speech as a per-

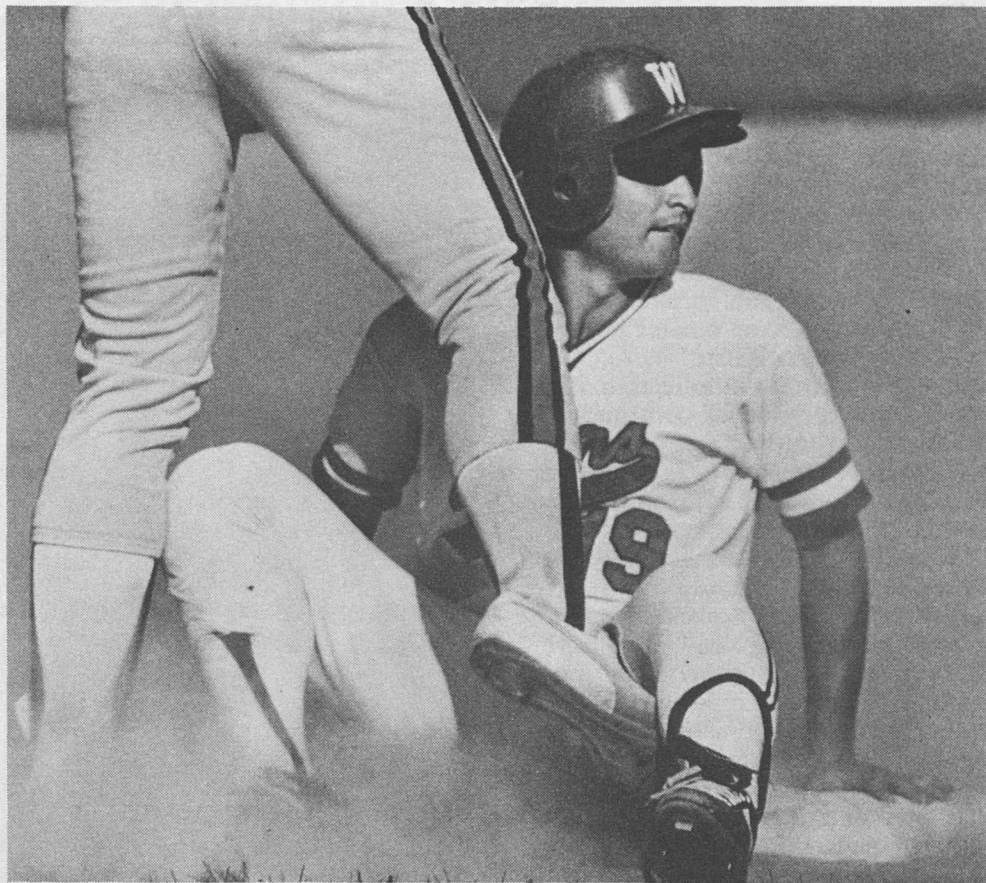
sonal reflection of four years at WU. "But," she says, "I hope it will speak for, and to, the entire senior class."

A member of Kappa Kappa Gamma sorority, Peters was president of the Women's Panhellenic Association last year. She recently received the association's Adele C. Starbird Award, presented to a senior sorority woman for outstanding campus and community leadership. The Nebraska native also has served as the group's assistant rush chairman and has been panhellenic delegate and marshal for Kappa Kappa Gamma.

In June, Peters will begin a full-time position as director of development for New City School Inc., an independent elementary school in the Central West End, where she has worked part time since February. She hopes to ultimately pursue a career in arts management.

"I'm very excited about my job," says Peters, a resident adviser during her junior year. "It involves public relations, fund raising and working with volunteers. It's a lot of fun."

Public relations isn't exactly unfamiliar territory for Peters. As part of a semester internship last year, she handled public relations for the Arts and Education Council's Camelot Gala Dinner Auction, where volunteers raised \$200,000 for the arts in St. Louis. She also designed the media program for the St. Louis Children's Art Festival last summer.



Record setter: WU senior Fred Webb finished his four-year collegiate stint as a Bear, but not before rewriting WU's baseball record book. An electrical engineering major from Sterling, Va., Webb has set career records in these offensive categories: hits (177), home runs (27), runs batted in (RBI) (160), doubles (40), runs scored (123), at bats (516), and games played (159). Webb broke his own single season record for RBI this year, driving in 52 base runners compared to his 1985 figure of 47. As a team, the Bears suffered their first losing baseball season in five years, recording a 21-24 mark in 1986.

U. College honors students, professor

University College, the evening division of the Faculty of Arts and Sciences, has announced its annual student and faculty awards for excellence, according to Dean Robert C. Williams, Ph.D..

The Dean's Award for Academic Excellence is being given to graduating senior Linda L. Osborne, a contract price analyst at the McDonnell Douglas Corp., who achieved a grade point average of 3.89 on a 4.0 scale, while majoring in managerial economics.

The Dean's Award for University Service goes to Kathryn L. Lippert-Nitke, who is graduating in Women's Studies. She has been active as a volunteer at the Family Center in Clayton, the WU Women's Programming Board and the WU Women's

Resource Center. She currently is developing an early childhood education and care center at McDonnell Douglas Corp.

The Dean's Award for Teaching and Service will be presented to Wayne Fields, Ph.D., associate professor of English, who has taught in University College since 1968. He also has directed the Master of Liberal Arts program in 1984-1986, served as English department coordinator for University College, and been a member of the Advisory Committee for University College since 1982.

In addition to receiving numerous awards for his teaching, Fields is a specialist in Mark Twain and other American writers and currently working on a book on storytelling.

Scholarships available for minority graduate students in social work

Minority graduate students interested in a career as mental health practitioners working with minority youth are invited to apply for scholarships being offered by the George Warren Brown School of Social Work.

The scholarships, which provide tuition support plus stipends, are offered to students enrolling in a 60-credit hour training program at the social work school. Applicants should apply by July 1, 1986.

"The training program is designed to increase the number of minority mental health practitioners who can work in small groups with minority youths in the risk areas of teen-age pregnancy and drug and al-

cohol abuse," says Larry E. Davis, Ph.D., associate professor of social work and the program's director.

Students enrolled in the training program will take courses from the school's regular curriculum, with an emphasis on group work with minority youth, and will do practicum work at minority social service agencies. Graduates of the program receive a master's degree in social work.

The training program is being funded through a three-year grant from the National Institute of Mental Health.

For more information, call the admissions office at 889-6676.

Student Life staff wins awards

American Scholastic Press Association (ASPA) has awarded Student Life a first place with special merit in its annual review of over 1,500 college and high school newspapers. In addition, the Missouri College Newspaper Association (MCNA) recognized nine students for their work with Student Life.

The ASPA gave WU's 107-year-old student newspaper its highest award — first place with special merit, for the first semester of 1985-86. The Student Life staff has not received the results from competitions it entered for the second semester of the academic year.

For the first semester of 1985-86, Student Life received high marks for content coverage, general plan, page design, editing, art and creativity. Student Life scored 970 points out of a possible 1,000. "In the opinion of the judge, the paper was an outstanding overall example of a scholastic publication in format, content, and presentation," according to the ASPA scorecard.

Steve Edwards, staff artist, received a best cartoon award for an editorial cartoon titled "Final Exam Day." "An Interview with Peter Buck of REM" by Barry Freiman, features editor, received best non-school story, while best editorial went to James T. Madore, co-editor-in-chief, for "Education Needed on AIDS."

The ASPA judges also praised Laurie Margulies and Ann Workman for their contributions as briefs editors and Grover Cleveland for his work as entertainment editor. In the past five years, Student Life has won two first-place awards from the ASPA.

James T. Madore and Erick Norlin served as co-editors-in-chief of Student Life for the 1985-86 academic year.

The Missouri College Newspaper Association at its annual awards ban-

quet gave Student Life a second place for overall design.

Several editors were recognized for their work. Edwards won a first place in the cartoons category, while Madore received a third place in editorials.

Student Life editors won four awards for feature writing: Norlin, first place; Amy Endrizal, features staff writer, second place; Madore, third place; and Allison Bell, contributing editor, third place.

Jonathan Handelman, assistant features editor, won first- and third-place awards in the regular column category, while Madore received a third place for in-depth news/features.

Steve Taxman and David Anderson, arts writers, took second place in entertainment reviews. Edwards, Norlin and Jack Grone, assistant news editor, won first place for information graphics.

Other editorial staff members were Nina Cadsawan and Mat Turner, news editors; Andy Gotlieb, sports editor; Jeremy Treatman and Ben Klayman, assistant sports editors; Maureen Burke, arts editor; Cathie Pearson, lifestyles editor; Joyce Tharpe and Arthur Goldgaber, calendar editors; Andy Erickson, staff artist;

Michael Haber, Graeme Nixon and Aki Suzuki, photo editors; Jeff Gaura and Jolene Thorburn, layout editors; Stella Gapac, Gail Gregos, Harvey Karlovac, Cory Modlin, Margaret Morrison and Caroline Sarian, layout assistants; and Karen Clough, copy editor.

William A. Brennan and Andrew S. Flach served as general manager; Karen Deida, business manager; and Susan Byars, administrative assistant.

Student Life, with a circulation of 12,000, is one of the few independent college newspapers in the country.

MEDICAL RECORD

Computerized aid promises improvement for hearing impaired

To people who wear hearing aids, the world is a mixed bag of signals. They either hear too little, or they hear too much.

Unlike normal hearing, conventional aids aren't selective. Because the aid is little more than a microphone, amplifier and speaker, it picks up all sounds, so the wearer hears everything, regardless of its relevance. To further complicate matters, the aid's volume needs continuous adjustment. And that's after the wearer has spent hours in the laboratory to have the aid adjusted to the degree of hearing loss.

Scientists at WU are trying to change all that. In an attempt to make the world as normal as possible for the hearing impaired, they have developed a computerized hearing aid that takes only minutes to fit, needs no manual adjustments and is being perfected to amplify only certain sounds, such as speech. The aid has been patented and, though it won't be available for at least three years, its developers say it already promises to be a great improvement over conventional aids. So far, 20 patients have been tested with a prototype that was developed under a three-year, \$600,000 research contract from the Veterans Administration Rehabilitation and Research Service.

"We're scientists who want to know how to ameliorate hearing impairment," says Gerald R. Popelka, Ph.D., professor and head of audiology at the University-affiliated Central Institute for the Deaf (CID) who, with his colleagues, A. Maynard Engebretson, D.Sc., and Robert E. Morley Jr., D.Sc., developed the computerized aid. "We just need the right kind of tool to do it."

The tool is presently the size of a suitcase, with hundreds of thousands of transistors that provide the capability of tailoring sound. Developers are currently reducing it to a pocket-size unit so it can be tested outside the laboratory. Eventually it will be reduced to a microchip that will be placed inside a moisture-proof plastic aid that looks similar to current models.

Appearance, however, is where the similarity ends. Patients with hearing loss are able to "hear" with a conventional aid because the aid amplifies sound for them. However, speech is often unclear because the hearing impairment cuts out high-pitch sounds and the conventional aid often doesn't have the capability to compensate. As a result, the patient can hear vowels, which are low-pitch, but not consonants, which are high. In the word "west," for example, the patient would hear only the "e." Understanding speech is made more difficult by extraneous background noise that also is amplified by the conventional aid.

The WU scientists plan to develop the computerized aid so it can be programmed to amplify only certain sounds, such as those associated with speech. They also plan to improve incoming speech by programming the computer to lengthen consonants and shorten vowels, which would give the wearer slightly more time to hear high-pitch sounds. As a



Robert E. Morley Jr. (left), D.Sc., assistant professor of engineering, and A. Maynard Engebretson, D.Sc., assistant director of research and an engineer at the Central Institute for the Deaf, have developed a computerized hearing aid that will be a great improvement over conventional aids. The computerized aid takes only minutes to fit, needs no manual adjustments and is being perfected to amplify only certain sounds such as speech.

result, the listener would be able to understand the word "west," even though it would sound different than it does to those with normal hearing.

The complicated circuitry that makes up the computerized aid is Morley's creation. Morley, an assistant professor in the School of Electrical Engineering, says the aid has a filter system for sound that is similar to a light filter — incoming sound is "filtered" into one of four different frequency ranges that vary from 200 to 6,000 cycles per second. Each range is independently adjusted by the computer and then filtered again before the patient actually hears the sound. As a result, sounds that don't fall within the band are not amplified, so distortion is eliminated and speech is clearer. The bands are pre-adjusted according to the patient's hearing needs.

The aid itself has two input microphones, unlike a conventional aid, which has one. The two microphones include a standard microphone for receiving outside sound and an inner or probe microphone to measure the sound pressure in the ear canal. The probe microphone helps to fit the aid to the patient and keeps amplified sounds from reaching uncomfortable levels. It may also prevent the feedback or "ringing" that some conventional aid wearers

experience, caused by the proximity of microphone to speaker.

Popelka says that when the computerized aid is available, it should cost the same as, or even less than, a conventional aid (which sells for about \$350) because of plans to mass produce them. There will be additional savings because manual controls won't be necessary and one design will fit all patients, regardless of age, with modifications done by the computer. Popelka says he is unsure who will market the aid.

According to published statistics, 10 percent of the population has some degree of hearing loss, yet only one million wear aids. "Hearing-loss professionals say another 10 million should wear them, but don't for one reason or another," says Engebretson, who is assistant director of research and an engineer at CID. He says those reasons could include low-quality sound as well as the inconvenience of having to continually adjust volume controls.

"The way we are approaching the problem is that we want fewer people to leave their hearing aid in the desk drawer," he says. "And though we're concentrating on optimizing speech communication, we also want to make music sound better for the hearing impaired person. And we want background noise to be

as inconspicuous as possible."

The computerized aid has already impressed Marjorie Fleming, who was the first to try it. Diagnosed about five years ago with nerve-related hearing loss in both ears, she says the computerized aid is "fabulous, unbelievable."

"It's horrible not being able to hear," she says. "I was never conscious of how people talked until this happened. You get so tired of telling people to talk slower and louder that you finally stop because people get angry with you, and you get mad at the person who doesn't speak clearly. I couldn't even hear my own voice. You have no idea how frustrating that is."

Fleming was fitted with two conventional hearing aids, one for her "bad" ear — with an 80 percent loss — and a supplemental aid in the other ear, which had a 20 percent loss. There was immediate improvement. "But the background noise drives me crazy," she says. "Sitting in the kitchen now, I can hear the refrigerator running and the washing machine running in the basement. But my life has definitely changed for the better. And the computerized aid would be almost like hearing normally."

Karen Burns

Sutter lecture will feature hand surgeon

A leading authority in the care and treatment of hand trauma will deliver the second Richard A. and Betty H. Sutter Visiting Professorship in Occupational and Industrial Medicine on Friday, May 30, at the WU School of Medicine.

Harold E. Kleinert, M.D., clinical professor of surgery at the University of Louisville and Indiana University, will speak at 9 a.m. and 11 a.m. in the West Pavilion Amphitheatre on the tunnel level of Barnes Hospital, a sponsoring institution of the WU Medical Center. His first lecture is titled, "Industrial Injuries to the Hand." The second lecture is titled, "Nerve Compression of the Upper Extremity."

Kleinert has developed a keen and intense interest in surgery of the hand, and is a specialist in the areas of flexor tendon injuries and microvascular surgery. He has established one of the outstanding hand surgery training programs in the world, and dedicates many hours to the education of orthopedic, plastic and general surgeons.

St. Louis physician Richard A. Sutter, M.D., and his wife Betty, established the visiting professorship last year to expand the understanding and practice of occupational medicine which involves such aspects as environment of the workplace and its effect on employee health, preventive medicine, safety factors, and

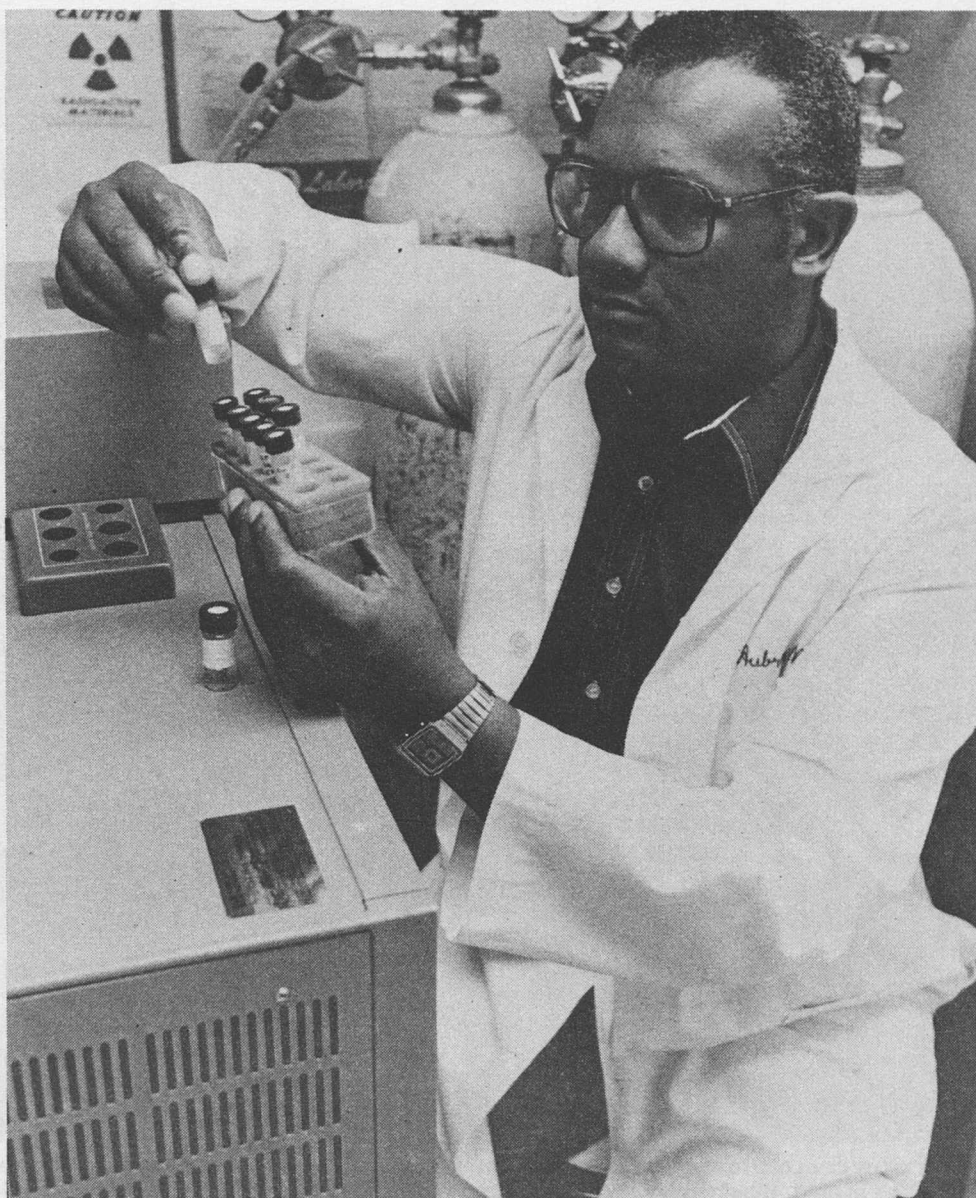
emergency and definite surgical care and rehabilitation of the industrially ill and injured.

Sutter, who received the doctor of medicine degree in 1935 from WU, is founder of the Sutter Clinic, Inc., which, since 1946, has provided occupational medical service to more than 1,500 companies in the St. Louis area. He was director of the clinic until 1984, when it was bought by Barnes Hospital.

Sutter continues to serve as a consultant at the clinic. He also is a lecturer in industrial medicine and rehabilitation in the Department of Preventive Medicine at WU, and is on the clinical staffs of Barnes, Deaconess and Lutheran hospitals.

He served by Presidential appointment as the first medical advisor to the original National Advisory Committee of the National Occupational Safety and Health Act in the Department of Labor. He also is past president of the St. Louis Metropolitan Medical Society.

His wife Betty is a former director of the executive committee of the St. Louis chapter of the American Cancer Society and a former St. Louis Globe-Democrat Woman of the Year. She served as the first president of the St. Louis Tuberculosis and Health Society as well as president of the American Medical Association Medical Auxiliary.



Aubrey R. Morrison, M.D., B.S., associate professor of medicine and pharmacology, will receive \$250,000 over the next five years to fund his research as a Burroughs Wellcome Pharmacology Scholar.

Avioli receives three-year grant to continue bone disease research

Louis V. Avioli, M.D., director of the Division of Bone and Mineral Diseases at WU School of Medicine, has been awarded a \$1.3 million grant from the National Institutes of Health.

Avioli will use the three-year grant to continue his research on osteoporosis, bone metabolism, and kidney transport systems.

Avioli serves as director of the Bone Health Program at Jewish Hospital, and is also on staff at Barnes Hospital and Children's Hospital, sponsoring institutions of the WU Medical Center.

Avioli came to WU in 1966 as an assistant professor of medicine, became full professor in 1970, and was named Shoenberg Professor of Medicine in 1972.

He received his medical degree from Yale University in 1957, and completed an internship and residency at North Carolina Memorial Hospital, Chapel Hill, N.C., from 1957-1959.

Twice, Avioli has been invited by the Chinese Ministry of Health of the People's Republic of China to educate their doctors and researchers about endocrinology and metabolic bone disease. In 1979, the French medical community awarded him the coveted Andre Lichtwitz International Prize for Research in Bone and Mineral Metabolism, and, in 1982, he was elected to the American Association

for the Advancement of Science, in recognition of his research on bone diseases, specifically osteoporosis.

Avioli is the founder and former president of the American Society of Bone and Mineral Research, and has served as a member and chairman of the National Institutes of Health General Medicine Section. As a member of the American Institute of Biological Sciences' NASA Advisory Panel, he was involved in the science and space laboratory programs. And, in 1984, a survey of more than 400 department chairmen and clinical program chiefs at 87 U.S. medical schools named him "one of the 120 best doctors in America." In addition, he has been visiting professor to medical schools in Italy, Venezuela, South Africa, Australia, Japan and Spain.

Avioli has served on the editorial and review boards of many journals, including The Journal of the American Medical Association, The New England Journal of Medicine, and The Journal of American Medicine. He is currently editor-in-chief of Calcified Tissue International, and has recently edited books on osteoporosis and metabolic bone disease. He is author of more than 180 original papers on endocrinology or metabolic bone disease and nearly 100 chapters in various texts.

Morrison named Burroughs Wellcome pharmacology scholar

Aubrey R. Morrison, M.D., B.S., associate professor of medicine and pharmacology at WU School of Medicine has been named a 1986 Clinical Pharmacology Scholar by The Burroughs Wellcome Fund.

The Burroughs Wellcome Fund is a private, non-profit foundation supported by Burroughs Wellcome Co., Pharmaceutical Firm. It was organized in 1955 to provide financial support for the advancement of research and education in the basic medical sciences.

The Scholar Program was established by the Burroughs Wellcome Fund in 1960 to support the career development of clinical pharmacologists and to stimulate teaching, training and research in clinical pharmacology. Clinical pharmacologists play a vital role in understanding how drugs work in the human body, investigating new and better therapeutic agents and teaching physicians how to prescribe drugs safely.

The Clinical Pharmacology Award provides \$250,000 over the next five years. Since the program began, 42 awards to 31 medical schools have been made at a total cost of approximately \$6.6 million.

"This is an extremely prestigious award and we are all proud and pleased that Aubrey is the recipient," said Philip Needleman, Ph.D., Alumni Endowed Professor and head of the Department of Pharmacology at WU School of Medicine. "He is regarded as an excellent scientist and clinician and is universally admired by his colleagues and friends. It has been a pleasure to participate and to observe

the evolution of his career."

Morrison's research focuses on the pharmacological treatment of kidney and heart disease, in particular, the effects of prostaglandins on renal and cardiovascular function.

Morrison joined WU in 1973 as a clinical research fellow in nephrology. He subsequently served as an instructor in medicine and as a post-doctoral research fellow in pharmacology. He was named an assistant professor of medicine and pharmacology in 1978 and became an associate professor in 1983. Morrison is currently on staff at Barnes Hospital, a sponsoring institution of the WU Medical Center. He had previously served an internship and residency there.

Morrison received his medical degrees from the University of London and the Royal College of Surgeons in Ireland. He completed an externship at Hamilton General Hospital-McMaster University in Ontario, Canada.

He is a member of many professional organizations including the American Society of Nephrology, International Society of Nephrology, American Society of Pharmacology and Experimental Therapeutics, American College of Physicians, and the American Society for Clinical Investigation.

He has received many awards for his contributions to clinical pharmacology and has served as an invited lecturer internationally. He also has written over 40 publications as well as 15 books, chapters and reviews on his research.

MEDICAL RECORD



Flower power: Lois Howland (left), RN, Cancer Information Center (CIC) coordinator, pins a flower on Lera Koenig, a visitor to the CIC during "Giving Day" in April. Hundreds of flowers were given to patients in the Washington University Medical Center as well as to visitors to the information center, which is sponsored by Mallinckrodt Institute of Radiology and Barnard Hospital. "Giving Day" was planned in conjunction with Cancer Awareness Month as designated by the American Cancer Society. The CIC is located on the first floor of Barnard Hospital.

Sterling Drug endowment honors alumnus

The Department of Pharmacology at WU School of Medicine has received a \$50,000 endowment from Sterling Drug Inc. to finance a Visiting Professorship in Pharmacology.

The grant is made in honor of Ernst Zander, M.D., former U.S.A. medical director of Sterling Drug and vice president of medical affairs for Sterling's Lehn & Fink Products Co. Zander is a 1939 graduate of the WU School of Medicine. He joined Sterling that same year as associate medical director of Winthrop Chemical Co., a predecessor of Winthrop Laboratories. He retired from Sterling in

1985 after 46 years of service.

The Sterling Drug Visiting Professor Program was established in 1979 to promote the interchange of knowledge between colleges and universities in the field of pharmacology. The endowment enables the school to invite a guest professor to the campus for a week each year to present lectures, conduct workshops and seminars and participate in other educational sessions.

The endowment to establish the Sterling Drug Visiting Professorship in honor of Zander was presented to Philip Needleman, Ph.D., Alumni En-

dowed Professor and head of the Department of Pharmacology at WU.

"This award provides us the funds to enrich the environment through critical evaluation and teaching by an outside scholar for the scientific growth of our trainees and departmental scientists," said Needleman.

Under Needleman's direction, the pharmacology department at WU is an interdisciplinary program that collectively focuses its research on understanding the molecular bases of disease processes and on their therapeutic modification.

Pharmacologist Gilman to deliver Lowry lecture

The chairman of the Department of Pharmacology at the University of Texas Health Science Center will deliver the ninth annual Oliver H. Lowry Lecture in Pharmacology at 4 p.m., Thursday, May 22 at WU School of Medicine.

Alfred G. Gilman, M.D., Ph.D., will discuss "Guanine Nucleotide Binding Proteins and Adenylate Cyclase" in the Carl V. Moore Auditorium, 660 S. Euclid Ave. The lecture is open to all members of the medical profession.

Gilman, a member of the National Academy of Sciences, has won numerous awards for pharmacology and teaching, including the Upjohn Achievement Award in Clinical Pharmacology and the Gairdner Foundation International Award. He simultaneously received his M.D. degree and a doctorate in pharmacology from Case Western Reserve University in Cleveland, Ohio, in 1969. He

has been professor of pharmacology at the University of Texas Health Science Center in Dallas since 1981, and is a member of many professional societies, among them the American Cancer Society's Scientific Advisory Committee on Biochemistry and Chemical Carcinogenesis. He is on the editorial board of several journals, and is co-author of over 100 journal articles and book chapters.

The Lowry lecture is sponsored by the Department of Pharmacology

to honor Oliver H. Lowry, M.D., Ph.D., Distinguished Professor Emeritus and Lecturer. Lowry served as head of the department from 1947-1976, and as dean of the School of Medicine from 1955-1958.

As a member of numerous national scientific committees, Lowry widely influenced research in medical science, particularly in the areas of neurobiology, neurochemistry, mental retardation and analytical biochemistry.

Surgery moves administrative offices

The Department of Surgery at WU School of Medicine has moved its administrative offices to the 10th floor of Spoehrer Tower in the Old St. Louis Children's Hospital during the renovation of the ninth floor of Wohl Hospital.

The chairman's office, business

and house staff offices, and location of student lectures have been affected. Signs have been posted in the corridors of Barnes, Old St. Louis Children's and Wohl hospitals providing directions to the new office location. All telephone numbers have remained the same.

Audiologists offer hearing screenings and tests in May

The Divisions of Audiology and Pediatric Otolaryngology at WU School of Medicine will conduct hearing tests and screenings at lower rates during May, which is National Better Speech and Hearing Month.

Screenings for children three years and older will be conducted by audiologists in the Center for Communication Disorders at Children's Hospital, a sponsoring institution of the WU Medical Center. Tests for adults will be provided by audiologists in the Department of Otolaryngology on the eighth floor of McMillan Hospital and at the West County office, 522 N. New Ballas Rd.

The initial screening or test will cost \$15. To schedule pediatric appointments, call 454-6171. Adults can schedule appointments at the McMillan office, 362-7489, or the West County office, 432-4110.

Parents suspecting their children might have hearing problems should look for some of these signals: child does not respond consistently to the sound of others talking, does not turn toward the speaker who is out of sight, or speech and language development seems delayed.

Adults should be wary of speech sounding faint, muffled or unclear; ringing or buzzing in the ears; feeling isolated or withdrawn in social situations because communication is difficult; or having to ask people to repeat often.

Hearing loss can affect anyone at any age, and in many cases, hearing can be improved or corrected through medical/surgical treatment, a hearing aid and aural rehabilitation.

Megumi Tanuichi awarded prize

A student at the School of Medicine, Megumi Tanuichi, has received the ninth annual James L. O'Leary Prize for Research in Neuroscience.

Tanuichi, an M.D.-Ph.D. candidate in the neural science program of the Division of Biology and Biomedical Sciences, received the prize at the school's 31st George H. Bishop Lecture. The O'Leary prize recognizes the most original and important accomplishments in neuroscience research by a pre- or postdoctoral student at WU.

Tanuichi's research examines the properties of the receptor for nerve growth factor — NGF — a molecule discovered at WU in the 1950s by Rita Levi-Montalcini, M.D., and her colleagues. Using a new antibody to the NGF receptor, Tanuichi studied the receptor's biochemical properties and function in the brain. He localized the NGF receptor in the brain and showed that it is expressed in peripheral nerves after surgical transection. These findings clarify roles of the NGF receptor in nervous system damage and repair.

The O'Leary prize was established in memory of eminent neuroscientist James L. O'Leary, M.D., Ph.D., former professor and head of the Department of Neurology at WU School of Medicine. O'Leary devoted himself to training young researchers. His career at the medical school extended from 1928 until his death in 1975.

NOTABLES

David L. Browman, Ph.D., professor of anthropology, delivered an invited presentation, "Management of Agricultural Risk in the Titicaca Basin," in an all-day session on "The Cultural Ecology of Andean Agricultural Systems." The session was held in conjunction with the 51st annual meetings of the Society for American Archaeology, April 23-26, in New Orleans.

Gerald Early, Ph.D., assistant professor of English and African and Afro-American Studies, delivered an invited paper April 18 at a conference on "Sports, Culture, and Society," sponsored by the Stanford Humanities Center, Stanford University. The paper was titled "Fathers, Sons, and the Ideology of Ethnicity: The Art of the Prizefighter's Autobiography."

Dory Hollander, Ph.D., adjunct faculty in the School of Business, recently was elected president-elect of the Missouri Psychological Association, a statewide professional association with a membership of 800. She also is currently president of the St. Louis Psychological Association.

Barry J. Linder, M.D., ophthalmology fellow, is one of 10 winners in the Space Outreach '85 contest, sponsored by the National Space Society. Linder's entry, "A Global View Developed Through the Macroscopic of Space," proposes development of a meeting place in space for international politicians, scientists, philosophers and civilians. Contest officials, who judged more than 1,000 entries, cited Linder's for originality. A report containing Linder's idea will be sent to Congress, NASA and the President's National Commission on Space.

Philip A. Ludbrook, M.D., professor of medicine and radiology, and director of the cardiac catheterization unit at Barnes Hospital, has been elected to serve as Missouri College Governor by the American College of Cardiology's board of trustees. During Ludbrook's three-year term, he will be responsible for reviewing membership applications and for making recommendations to the college's credentials committee.

Bruce H. Mann, J.D., Ph.D., professor of law, presented a paper titled "Neighbors and Strangers: Legal Change and the Nature of Community in Connecticut, 1690-1760," at the annual meeting of the Organization of American Historians, held April 13 in New York.

Lee Ratner, M.D., Ph.D., assistant professor in the Department of Internal Medicine, Division of Hematology and Oncology, has been selected to receive an American Society of Clinical Oncology Young Investigator Award, which will be presented at the annual meeting in May. The award, sponsored by Genentech, will provide support to her laboratory in the study of the basic biology of human retroviruses. Her efforts have been directed at understanding the relationship between structure and function of 1) human T-cell lymphotropic virus type I (HTLV-I), which is

the cause of a specific form of lymphoma in humans; and 2) human T-cell lymphotropic virus type III/lymphadenopathy associated virus (HTLV-III/LAV), which is the cause of the acquired immunodeficiency syndrome (AIDS).

Hui-Kuo George Shu, a senior in the College of Arts and Sciences, is the recipient of the Marian Smith Spector Prize in Biology for 1986. Shu is majoring in biology and minoring in mathematics and chemistry. In addition to an outstanding academic record, Shu wrote a research paper titled "The Use of an R-loop to Target Specific Cleavage on DNA Molecules." The research on which his paper was based was conducted under the supervision of **Maynard Olson**, Ph.D., associate professor of genetics at the medical school. Shu recently has been elected to Phi Beta Kappa. He will graduate summa cum laude and expects to enter medical school this fall to begin training in an M.D.-Ph.D. program. The biology prize is an annual award of \$500 established in 1974 in memory of **Marian Spector** (A.B. '38) who studied zoology under **Viktor Hamburger**, professor emeritus of biology, and was active in research in embryology in Hamburger's laboratory.

Eugene B. Shultz Jr., Ph.D., professor of engineering and applied science, Department of Engineering and Policy, presented three papers at the 10th Annual Conference on Energy From Biomass and Wastes, held April 7-10 in Washington, D.C. The papers dealt with wood fuel substitutes and alcohol fuel from the buffalo gourd, and alcohol fuel from sugarcane. Two of the three papers dealt with applications in the Third World. **William P. Darby**, Ph.D., chairman of engineering and policy, was a co-author of one of the papers on fuel alcohol in the southwestern United States. Shultz's recent graduate students **David Adolph**, **Patrick Carr**, **Jennie DeVeaux** and **Harold Draper** were co-authors of the three papers. Shultz also chaired a session on technology for rural development in the Third World at the 12th Annual Third World Conference, held April 3-5 in Chicago. The panel included six papers prepared by WU graduate students: **David Adolph**, **Jeanne Greer** and **Michael Rufo**, from the Technology and Human Affairs Program; and **Sidi Bojang**, **Montwedi Mokhurutshe** and **Dorothy McMahon**, from the George Warren Brown School of Social Work. Shultz was elected to the board of directors of the Third World Conference Foundation.

Philip Simmons, a graduate student in the Writer's Program, has won first prize in Playboy Magazine's College Fiction Contest. He will graduate May 16 with a master of fine arts degree in writing. Simmons' story, "Night Vision," was one of nearly 1,200 entries from the United States, Canada and Europe. The story is scheduled for publication in the October 1986 issue. Simmons' payment for the story is \$3,000. Simmons also has had a short story published in *Ploughshares* and another accepted by *The Massachusetts Review*. Both are literary magazines.

Foundation honors Dudukovic, Fields for teaching excellence

Milorad Dudukovic, Ph.D., professor of chemical engineering, and **Wayne Fields**, Ph.D., professor of English, will receive Burlington Northern Foundation Faculty Achievement Awards for Teaching. The awards will be presented at the Eliot Honors Convocation on May 15.

The Burlington Northern Foundation Award is given "in recognition of outstanding teaching and exemplary contributions on behalf of undergraduate education."

The foundation, headquartered in Seattle, represents Burlington Northern Inc. and its nine operating companies, and provides cash awards for faculty-scholar excellence.

Dudukovic, a highly published scientist, came to WU in 1974 as associate professor in the Department of Chemical Engineering and director of the Chemical Reaction Engineering Laboratory, a position he still holds today. He was named professor in 1981.

He has participated in a wide range of professional activities and served as a consultant for many organizations, including the Illinois EPA, Missouri Analytical Laboratories, Monsanto Electronic Products Co., General Dynamics, A.G. Staley, McDonnell Douglas Corp., Exxon, Ethyl Corp. and the Mobil Corp.

Dudukovic received his bachelor's degree in chemical engineering in 1967 from the Institute of Technology, University of Belgrade, Yugoslavia. He received his master's and doctoral degrees in 1970 and 1972, respectively, at the Illinois Institute of Technology. He was a recipient of a Fulbright Fellowship in 1968 and was named Engineering Professor of the Year at WU in 1975-76; 1977-78; 1980-81; 1981-82 and 1985-86.

He is a member of a number of nationally prestigious professional organizations and has developed a national and international reputation for his research in multiphase reac-

Kurt H. Studdt, D.D.S., assistant professor in the Department of Diagnostic Services at the School of Dental Medicine, participated in a one-day symposium on infectious diseases in dental practice at Hartford, Conn., sponsored by the University of Connecticut School of Dentistry. The program emphasized the practice implications of hepatitis type B infections.

Brenda M. Westbrook, **Joseph T. Gierer** and **Daniel W. Maxton**, graduating seniors in engineering, have won awards in the annual Technical Publication Competition, held recently by the St. Louis Chapter of the Society for Technical Communication. Westbrook won an Award of Merit for a report titled "The Quality Data Management System," which describes a new system of integrating product quality data. Gierer earned an Award of Achievement for his technical report, "Research on Low-Grade Thermal Energy Conversion with Nitinol Heat Engines." Maxton won an Award of Achievement for his feasibility study on

tors, tracer kinetics and single crystal growth.

Fields joined the WU faculty as an instructor of English in 1968 and was named an assistant professor in 1971 and an associate professor in 1977. He was a Fulbright-Hays Lecturer in American Literature at the University of Copenhagen in the fall of 1980.

Field's academic honors include Phi Beta Kappa, Woodrow Wilson Fellow, Ford Foundation Fellow, Woodrow Wilson Dissertation Fellow, National Endowment for the Humanities Summer Stipend for Younger Humanists and a Fellow of the National Humanities Institute at Yale University.

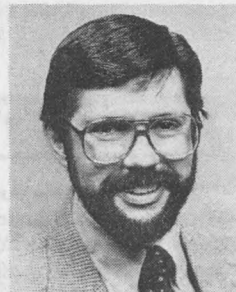
His career at WU includes participation in a number of academic services in the College of Arts and Sciences. His awards include the Faculty Award for Excellence in Teaching, presented by the Council of Students of Art and Sciences in 1978, and the Founders Day Faculty Award in 1979. He has written on a variety of subjects in the area of American literature and political argument.

Fields received his bachelor's degree in 1964 from Augustana College, Rock Island, Ill., and his master's and doctoral degrees from the University of Chicago in 1965 and 1971, respectively.

The Burlington Northern Foundation Awards last year were given to **Carl M. Bender**, Ph.D., professor of physics, and **John W. Bowyer**, D.B.A., professor of finance.



Milorad Dudukovic



Wayne Fields

"Techniques for the Reduction of Trihalomethanes in the Cape Girardeau Water Plant." In the technical art division of the competition, **Sharon D. Clark**, assistant director of the Engineering Technology Division of the School of Engineering and Applied Science, and **Cindy Ilges**, a publications specialist with the school's Engineering Technical Services, shared an Award of Merit for the design and rendering of the cover on the 1985-86 Bulletin of the Engineering Technology Division.

Have you done something noteworthy?

Have you: Presented a paper? Won an award? Been named to a committee or elected an officer of a professional organization? The *Washington University Record* will help spread the good news. Contributions regarding faculty and staff scholarly or professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest-earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070. Please include a phone number.

CALENDAR

May 15-June 7

LECTURES

Thursday, May 15

4 p.m. Dept. of Chemistry Seminar, "New Methods in the Synthesis of Macrocyclic Lactams and Lactones of Biological Interest," Harry Wasserman, prof. of chemistry, Yale University. 311 McMillen.

Thursday, May 22

4 p.m. Dept. of Chemistry Seminar, "Conformational Studies on Binuclear Hexaphosphine Complexes," George G. Stanley, WU asst. prof. of chemistry. 311 McMillen.

Friday, May 23

9 a.m. Dept. of Chemical Engineering Seminar, "Modeling of High Pressure Polyethylene Reactors," Jacques Villiermaux, professor, Laboratoire Des Sciences Du Genie Chimique, Nancy, France. 215 Cupples II.

Tuesday, May 27

3 p.m. Dept. of Mathematics Analysis Seminar, "Some Interaction Between Approximation Theory and Fourier Analysis," Chen Tien-Ping, professor, Fudan U. and Texas A. & M. 203 Cupples I.

Friday, May 30

9 a.m. Richard A. and Betty H. Sutter Visiting Professor in Occupational and Industrial Medicine Lecture, "Industrial Injuries to the Hand," Harold E. Kleinert, clinical prof. of surgery, U. of Louisville and Indiana U. W. Pavilion Amphitheatre, tunnel level, West Pavilion, Barnes Hospital.

11 a.m. Richard A. and Betty H. Sutter Visiting Professor in Occupational and Industrial Medicine Lecture, "Nerve Compression of the Upper Extremity," Harold E. Kleinert, clinical prof. of surgery, U. of Louisville and Indiana U. W. Pavilion Amphitheatre, tunnel level, West Pavilion, Barnes Hospital.

Wednesday, June 4

7:30 a.m. Dept. of Otolaryngology Ogura Lecture, "The Prognostic Significance and Treatment Implications of Extracapsular Spread in Squamous Cell Carcinoma," Eugene N. Myers, prof. and chairman, dept. of otolaryngology, U. of Pittsburgh. Walsh Aud., 9th floor, Room 9917, McMillan Hospital.

EXHIBITIONS

"Bachelor of Fine Arts Exhibition." Through May 17. Gallery of Art, upper and lower galleries. 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 889-4523.

"Core Exhibit." Works by freshmen and sophomore students in the School of Fine Arts program of drawing, two-dimensional and three-dimensional design. Through July 25. Bixby Gallery, Bixby Hall. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends.

MISCELLANY

Monday, May 19

11 a.m. Spring Staff Day for Hilltop staff and administrative personnel. Edison Theatre. Lunch will be in Bowles Plaza. If inclement weather, lunch will be in Mallinckrodt Center.

Wednesday, June 4

8:30 a.m.-5 p.m. Third International Conference in Enterprise-wide Information Management. Sponsored by Center for the Study of Data Processing and IBM Corporation's Los Angeles Scientific Center. Simon Hall Aud. (Also June 5 and 6, same time, Simon.) For more info., call 889-4556.

Calendar Deadline

The deadline to submit items for the June 5-July 3 calendar of the *Washington University Record* is May 22. Items must be typed and state time, date, place, nature of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker's name and identification and the title of the event; also include your name and telephone number. Address items to King McElroy, calendar editor, Box 1070.

Commencement Activities

Thursday, May 15

8:30 a.m.-5 p.m. Cap and Gown Pickup at Lambert Lounge, Rooms 303-304, Mallinckrodt.

11 a.m. Phi Beta Kappa Initiation Ceremony at Steinberg Hall.

2:30 p.m. Eliot Honors Convocation. Main speaker is David Konig, WU prof. of history, "How Life Imitates Baseball." Field House, Athletic Complex.

4 p.m. Chancellor's Reception at the Field House. For seniors, parents, guests, faculty and administrators, immediately following Eliot Honors Convocation.

5:30 p.m. Lesbian Issues Discussion Group, sponsored by WU Lesbian Organization. (Also May 22, 29 and June 5, same time.) Call 889-5943 or stop by the Women's Resource Center at 125 Prince Hall for meeting location.

8 p.m. Individual Recognition Ceremonies and Receptions. College of Arts and Sciences, Brookings Quadrangle. Rain location: Field House. School of Engineering and Applied Science, Edison Theatre. Program in Occupational Therapy, Umrath Hall.

Friday, May 16

7:15 a.m. Senior Toast in Bowles Plaza. Rain location: Mallinckrodt Gallery and Gargoyle.

8:30 a.m. 125th Annual Commencement. Speaker is Sen. Paul Simon, D-Ill. Brookings Quadrangle. Rain location: 10 a.m. at The Arena, 5700 Oakland Ave. Immediately following the Commencement exercises, the deans of the various divisions will hold a series of receptions where diplomas will be individually distributed. Brunch will be available for members of the graduating class, their families and friends. College of Arts and Sciences: Area on the north side of Graham Chapel. Rain location: Holmes Lounge. Graduate School of Arts and Sciences: Women's Bldg. Lounge. University College: Southeast terrace of Brookings Hall. Rain location: 110 January Hall. School of Engineering and Applied Science: Lawn south of Lopata Hall. Rain location: Lopata Gallery. School of Architecture: Givens Hall. School of Business and Public Administration and the Graduate School of Business Administration: Diploma ceremony in Field House. Reception in foyer and courtyard of John E. Simon Hall. School of Fine Arts: Steinberg Aud. George Warren Brown School of Social Work: Brown Aud. and Brown Lounge. School of Law: Graham Chapel and the Seeley G. Mudd Informal Lounge. School of Dental Medicine: Breckenridge Frontenac Hotel. Program in Occupational Therapy: Diploma ceremony: Umrath Hall. Reception: 4567 Scott Ave. Health Administration Program: Moore Aud., on the medical school campus. School of Medicine: Chase-Park Plaza Hotel.

9:30 p.m. Class of 1986's First Reunion Party at Bowles Plaza. Rain location: The Gargoyle, Mallinckrodt Center.

Athletic hours set

The WU Athletic Complex will begin its summer hours Monday, May 19, opening at 6:45 a.m. and closing at 7 p.m. The complex will be closed on Saturdays and Sundays throughout the summer.

Hours for the following recreation areas are: Millstone Pool, 7 to 8:30 a.m. and 11:30 a.m. to 1:30 p.m.; weight room, 11:30 a.m. to 1:30 p.m. and 4 to 6 p.m.; machine weight room, 7 a.m. to 7 p.m.; racquetball/squash courts, 7 a.m. to 6:45 p.m.; Tao Tennis Courts, 7 a.m. to 10 p.m., daily; and Bushyhead Track, 7 a.m. to dusk, daily.

In addition to Saturdays and Sundays, other closings include Monday, May 26 (Memorial Day); Wednesday, July 4; and Monday, July 21, through Friday, Aug. 8. The complex will return to its regular hours Monday, Aug. 25.

Youth sports camps open here June 16

Basketball, football and volleyball camps for grade school, junior high and high school students will be held this summer at the WU Athletic Complex.

The basketball camp will be conducted Monday through Friday, June 16-20, for boys and girls entering grades five through 10. Each day will consist of two three-hour sessions with a one-hour lunch break. WU basketball coach Mark Edwards and his assistants, Lloyd Winston and Dennis Kruse, are directors of the camp. The cost for 10 basketball sessions is \$75.

Boys entering grades nine through 12 are eligible to attend the Battling Bear Football Camp Monday through Friday, June 23-27. The five-day camp runs from 8:30 a.m. to 3:30 p.m. and costs \$99. Camp instructors are WU football coach Fred Remmy, camp director; Ted Gibbons and Russ Mollet of WU; Ray Dorr, Southern Illinois University at Carbondale; Bob Otolski, Illinois State University; Terry Noland, Central

Missouri State University; Chuck Finley, University of Missouri-Rolla; and Garry Brandt, Southwest Baptist University.

Three separate volleyball camps are available, including five-day, three-hour sessions for players entering grades four through six and grades seven through nine. The camp for grades four through six will be held 9 a.m. to noon Monday through Friday, July 7-11, and grades seven through nine will be held 1 to 4 p.m. Monday through Friday, July 7-11. Players entering grades 10 through 12 will participate in 10 three-hour sessions from 9 a.m. to noon and 1 to 4 p.m. Monday through Friday, July 14-18.

The cost for the volleyball camps held July 7-11 is \$35, while the July 14-18 camp is \$75. Teri Clemens, WU volleyball coach, is the head clinician.

For more information on all three camps, call the Department of Athletics at 889-5220.

Dance institute offers workshop

The Summer Dance Institute at WU is offering an intensive three-week workshop June 9 to 27.

Modern dance technique and an improvisation/composition course will be taught by Michael Ballard. Jazz technique and repertory will be taught by Suzanne Grace. The workshop will end with a performance by both jazz and composition students in a special studio presentation.

Any class or combination will last the three-week period. Campus housing and meal plans are available.

Fees for the modern dance class are \$150, plus a \$5 accompanist fee. Jazz and composition classes are \$300 each, plus a \$10 accompanist fee for the jazz class. Students enrolled for the entire program pay \$700, plus accompanist fees.

Ballard has been an artist-in-residence at WU for two years. Internationally known as a soloist with the Murray Louis Dance Company of New York, Ballard has toured with

the company in Europe, North Africa, the Near East, South America, Canada, Taiwan and extensively in the United States. He has taught students ranging from elementary schoolchildren in Hawaii and rural Alabama to members of the prestigious Nikolais/Louis Dance Theatre Lab in New York.

Grace is a St. Louis-based dancer, choreographer and teacher. She is the founder of Burning Feet Inc., a dance company specializing in solo and small ensemble work. A dancer since childhood, Grace has taught dance on the college level since 1979. She is on the dance faculty of Webster University and is a member of the St. Louis Repertory Dancers. She has won several awards, most recently the 1985 Missouri Art's Council choreographic prize for the solo titled "Captured."

For more information on the workshop, call 889-5858.

Staff Day spirit running high

Staff Day '86 is going to be a ball, in more ways than one.

"We have eight volleyball teams and more than 10 softball teams signed up to slug it out on Staff Day (Monday, May 19)," notes Margaret A. Lobdell, chairman of the Nonacademic personnel Advisory Committee, which plans Staff Day.

Lobdell says participation in this year's Staff Day has been great. "The committee is very pleased," she says. "We hope this becomes a trend."

The service awards and the annual talent show mark the opening of Staff Day at 11 a.m. in Edison Theatre with Faith D. Maddy, assistant director of Residential Life, emceeing the show. Maddy, alias Erma the Bag Lady, served as mistress of ceremonies for the show last year.

Other Staff Day '86 highlights include a hearty lunch in Bowles Plaza (in case of rain, the meal will be

served in Mallinckrodt Center); bingo; Trivial Pursuit for minor-detail buffs; and the softball and volleyball awards. A grand prize drawing for a weekend at Marriott's Tan-Tar-A Resort will be held at the trophy presentation.

For arts and crafts enthusiasts, a craft show, featuring crocheted articles and handmade quilts, will be on display Staff Day on the lower level of Mallinckrodt Center. First-, second- and third-place ribbons will be given to craft designers, based on votes by staff viewers. Lobdell says more than 15 entries will be on display.

Three issues of the Washington University Record will be published over the summer. The summer issues will be dated June 5, July 3 and Aug. 7.